

ZyXEL



High Definition IP Set-top Box for Live TV and Video-On-Demand Applications

- **IPTV and Video-on-Demand Applications**
- **MPEG-4 AVC/H.264 MP @L4.1, H.264 HP @L4.1, VC-1**
- **Supports High-definition Resolution: 720p, 1080i**
- **Supports H.264 & MPEG-2 Contents of up to 20 Mbps**



Benefits

High Definition Video Quality

The STB-1003 supports high-definition video that displays at 720p and 1080i with MPEG-4 part 10/H.264 format. High-definition video offers exciting and dramatic viewing enjoyment thanks to better realism and details, especially on larger displays; it also comes complete with digital audio for even more exhilarating home theater experience.

Advanced Video Coding

ZyXEL's STB-1003 offers IP video services, such as Video-on-Demand and IPTV, based on MPEG-4 AVC/H.264 compression technology to reach a wider audience or achieve a higher density of service, and thus increased bandwidth efficiency. This enables Telcos to expand their subscriber base and offer two or more video streams per household, where only one was previously possible - creating opportunities for substantially increased revenues and faster return on their IPTV investments.

Support for Content Security Solutions

The STB-1003 is compatible with a wide range of leading content protection and right management solutions with or without Smart Cards.

Support for Middleware Solutions

The STB-1003 is supported by leading IPTV middleware providers for integration as part of a broadband TV solution. It also supports applications developed in HTML and JavaScript for content extensions.

Easy Installation and Extendable Features

The STB-1003 is easy to install even for subscribers, and its field-upgradeable software platform is also handy for future technology enhancements without costing IPTV service providers significantly.

IP Set-top Box

STB-1003

IP STB



Specifications

System Specifications

- Linux based

Video Codec

- MPEG-1
- MPEG-2 MP @HL
- MPEG-4
- VC-1

Audio Codec

- MPEG-1 layer I/II
- MP3
- MPEG-2 AAC
- AC-3
- MPEG-4 AAC Stereo

Data Standard

- Teletex DVB EN 300 472 standard
- Subtitle DVB EN 300 743 standard

Graphics

- 24 bits/pixel RGB
- 4:3 & 16:9 video format
- Picture in graphic
- NTSC/PAL
- Alpha blending
- Color keying
- 2D graphic acceleration

Content Protection

- Marcovision v7.01/6.1
- Standard CA

Browser Features

- HTTP1.1
- HTTPS

- HTML 4.01
- JavaScript 1.5
- DOM level 2
- CSS level 2
- Support cookie
- Support PNG, JPEG, GIF & Animator GIF picture format
- JavaScript extension API

Network Protocol

- PPPoE
- Ethernet/IEEE 802.3
- TCP/IP
- UDP/IP
- IGMP V3
- DHCP
- RTSP
- Telnet
- HTTP1.1
- SSL V3 (128-bit key)
- DNS
- NTP
- SNMP/TR-069

Hardware Specifications

- Active/standby switch button
- Power on/off switch button
- 10/100M Ethernet port x 1
- USB 2.0 host x 2
- Smartcard interface x 1
- IR receiver
- S/PDIF x 1, coaxial
- S/PDIF x 1, fiber

- CVBS RCA AV output
- S-video output
- Y, Pb, Pr video output
- HDMI output
- R/L AV output

Physical Specifications

- Dimensions: 325 (W) x 225 (D) x 55 (H) mm
- Weight: 1.2 Kg

Environmental Specifications

- Operating temperature: 0°C ~ 40°C
- Storage temperature: -20°C ~ 60°C
- Operating humidity: 20% ~ 90% RH
- Storage humidity: 20% ~ 90% RH

Certification

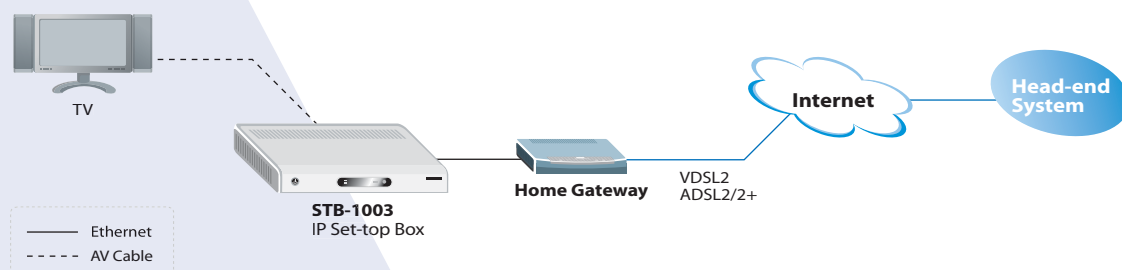
- UL60950-1
- CAN/CSA-C22.2 No.60950-1-03
- EN60950-1
- IEC 60950-1
- FCC Part 15 Class B
- EN55022 Class B
- EN55024

Others

Accessories

- Composite cable
- Component cable
- Power adaptor
- CD
- Infrared remote control

Application Diagram



For more product information, visit us on the web at www.ZyXEL.com